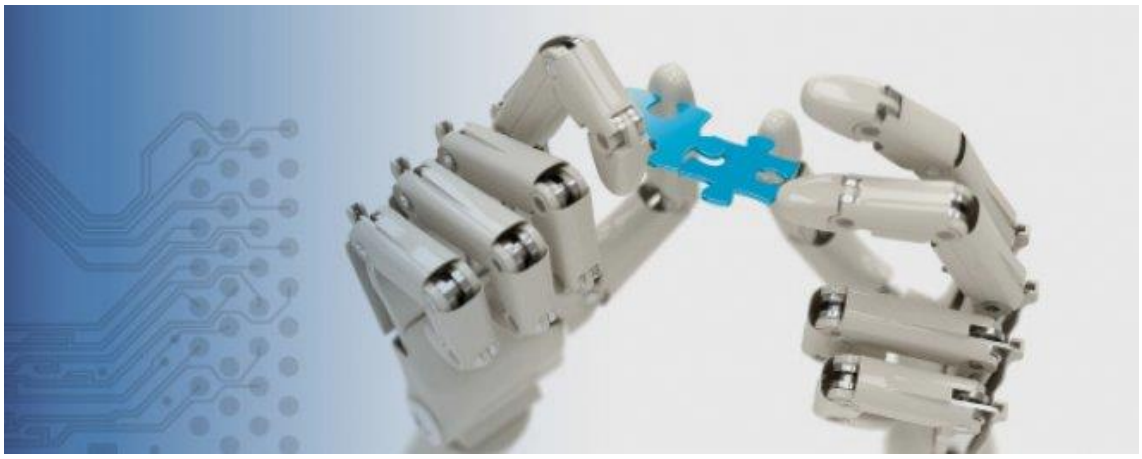
ROBOTICS MASTER

Universitat de Vic



Subject: Robotics Integration

Unit: 2: ROS

Exercixse 2.1 & 2.2: ROS Tutorials

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2.1. ROS installation (Indigo version)

http://wiki.ros.org/indigo/Installation/Ubuntu

2.2 ROS Tutorials

Create a new repository at your GitHub called “ros_tutorials” and follow the tutorials at http://wiki.ros.org/ROS/Tutorials. Numbers 1,2,3,4,5,6,7,10,11. (8,9 are optionals). Once finished, indicate that to the professor through moodle

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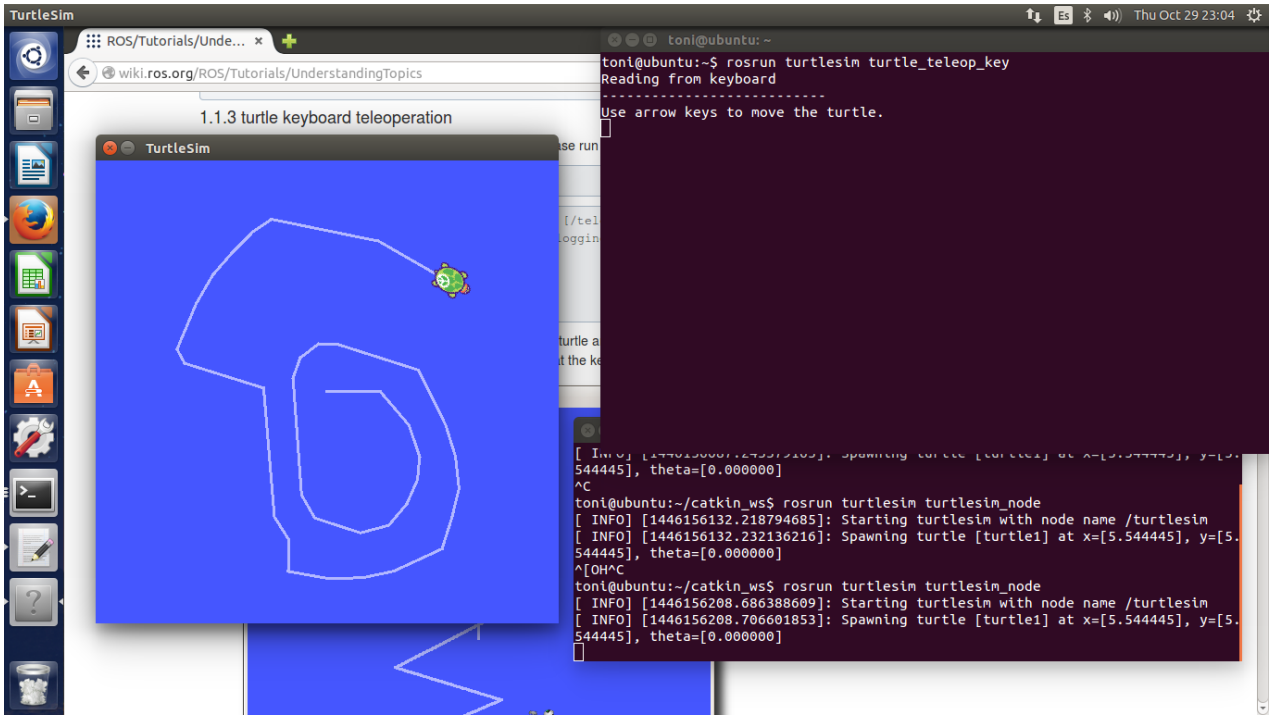
Find the files of tutorials 1 to 11 in the following repository of GitHub;
https://github.com/ToniSkan/ROS_Tutorials_Beginner.git

There can be find all catkin Workspace. Tutorials of this exercise can be found in the following link:
https://github.com/ToniSkan/ROS_Tutorials_Beginner/tree/master/catkin_ws/src/beginner_tutorials

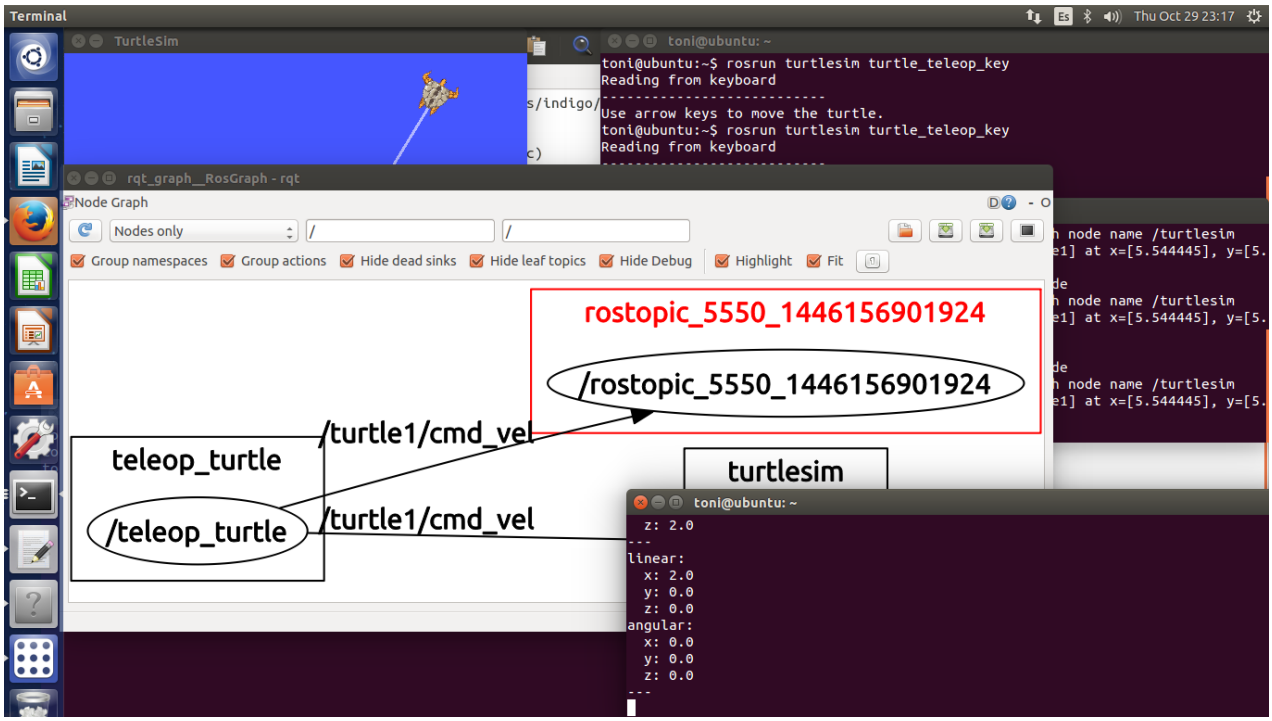
Listener and talker:
https://github.com/ToniSkan/ROS_Tutorials_Beginner/tree/master/catkin_ws/devel/lib/beginner_tutorials

In the following pages screenshots to shown some progress of the tutorials:

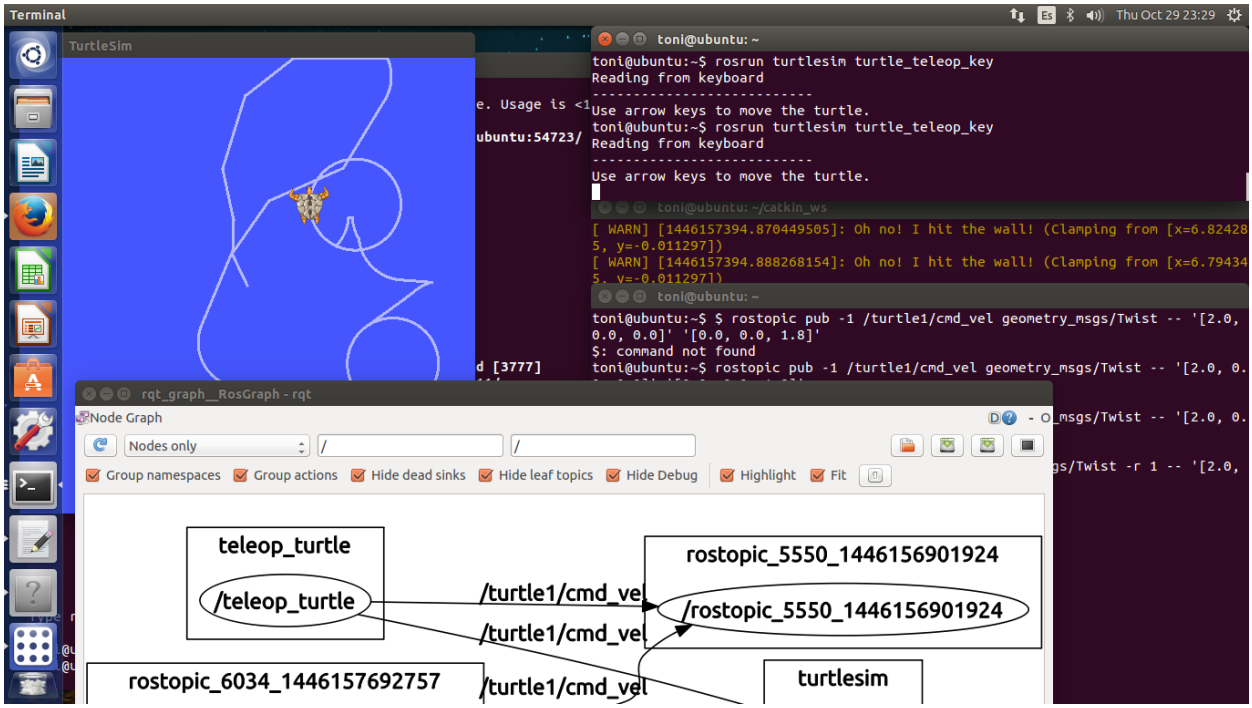
Tutorial 6 (Moving the turtle)



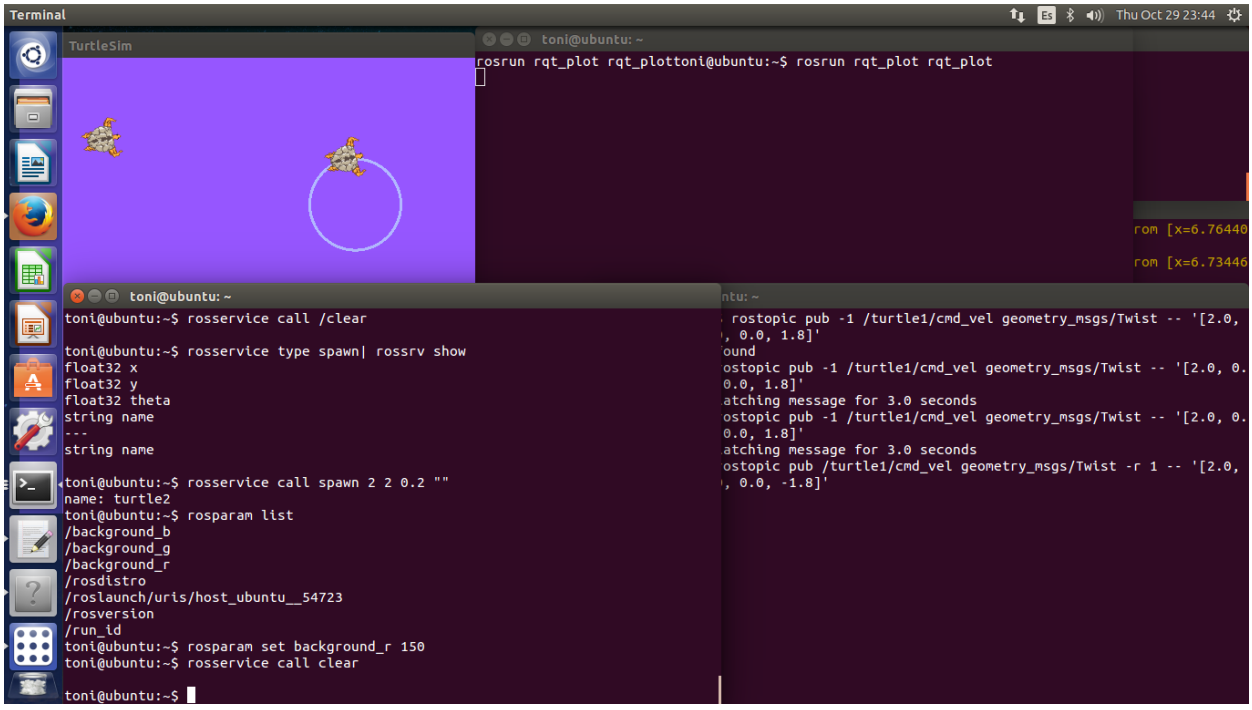
Tutorial 6 (rostopic and rqt_graph):



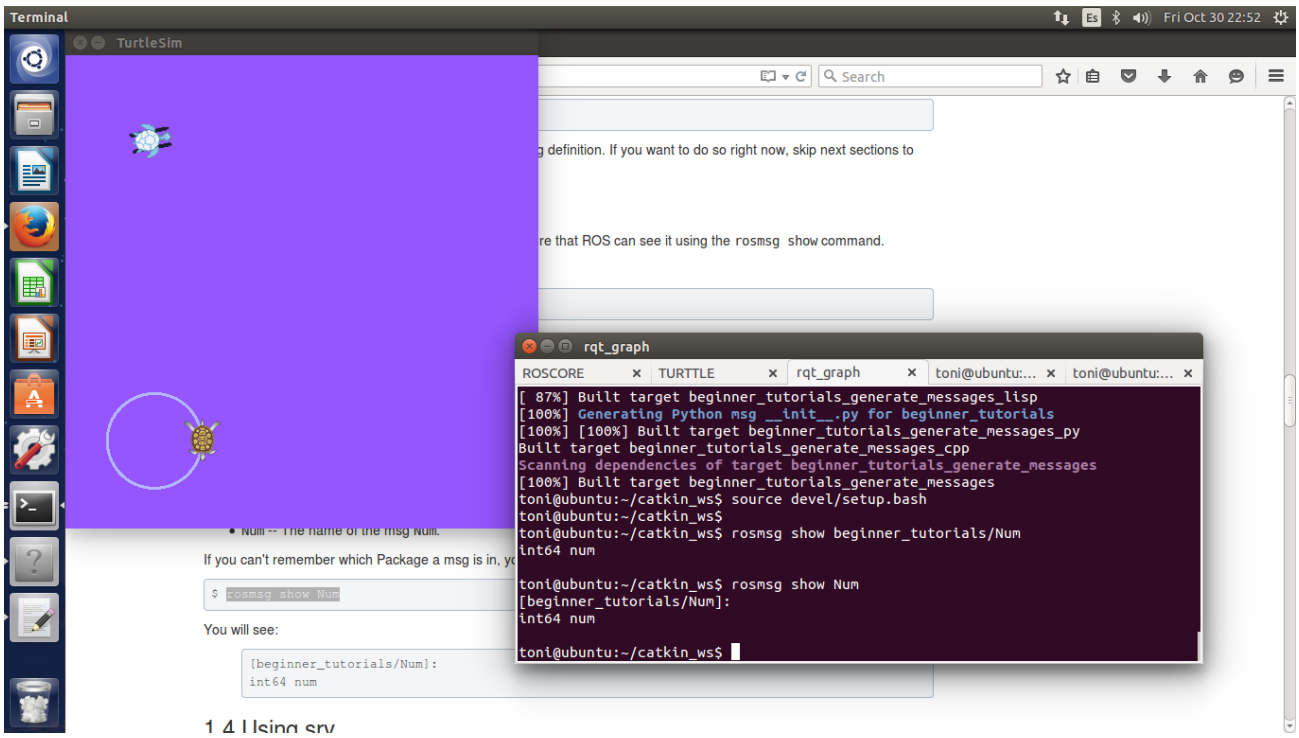
Tutorial 6 (Rostopic an automatic movements of the turtle)



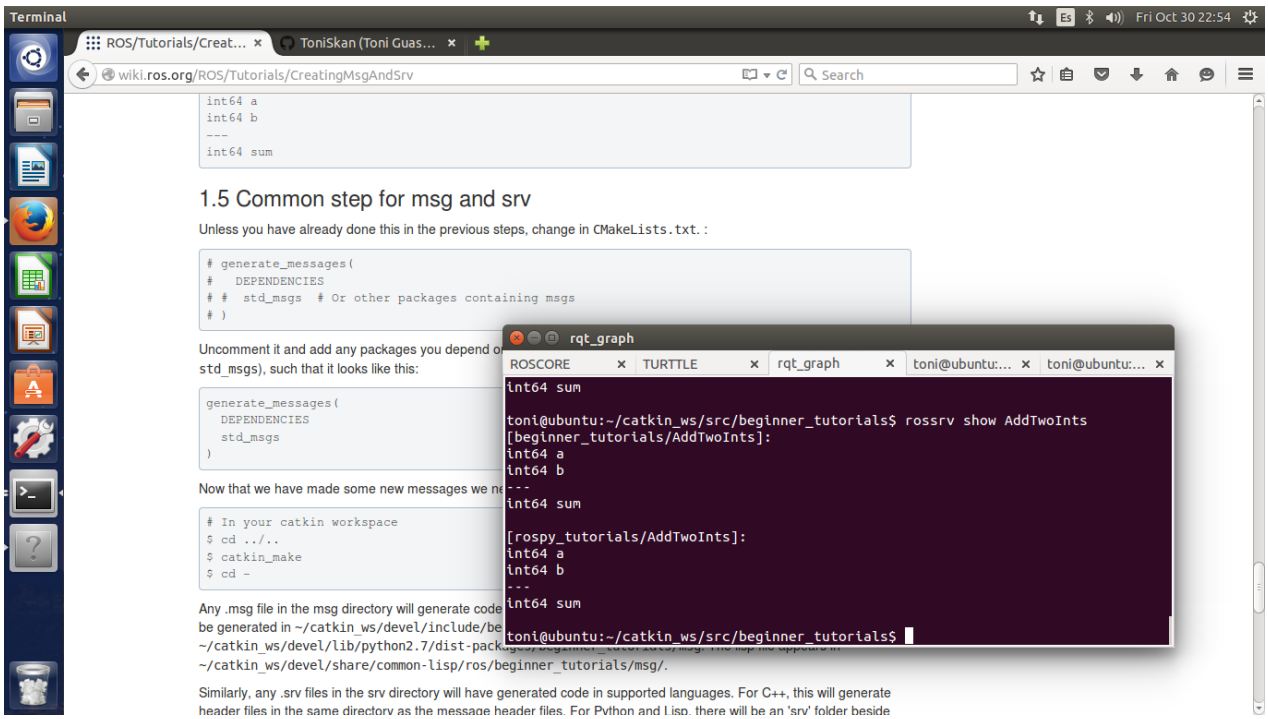
Tutorial 7 (rosservice)



Tutorial 10 (rosmsg)



Tutorial 10 (rossrv)



Tutorial 11 (listener and talker done)